Fanless Design
- Allows for noiseless operation
- Saves energy while lowering costs
- Reliable and eco-friendly

Advanced Features
- Storm control

Intuitive Management
- SmartConsole Utility or web-based GUI

VLAN Features
- 802.1Q and Port-based VLAN for traffic segregation

Advanced QoS
- Bandwidth control (to prevent bandwidth abuse)
- Ensures that time-sensitive data gets delivered efficiently
- Supports IEEE 802.1p QoS for up to two 802.1p priority queues

Easy Troubleshooting
- Loopback detection auto disables port when loop is detected

EasySmart Switches

The DES-1100 EasySmart Switch Series features a full set of configurable functions that provide strong performance and scalability. The EasySmart switches include the DES-1100-16, which has 16 10/100 Mbps ports, the DES-1100-24, with 24 10/100 Mbps ports, and the DES-1100-26, which features 24 10/100 Mbps ports and 2 Gigabit combo ports. With an easy-to-use management interface accessible via a PC utility or web browser, the DES-1100 EasySmart Switch Series helps customers to quickly and easily deploy their network. The DES-1100 Series provides a complete and affordable solution for small and medium businesses, and for communities without IT staff. They are suitable for Enterprise deployment, such as in branch offices and meeting rooms that require simple management.

Switch management can be performed through a web management interface or through the SmartConsole Utility. The DES-1100 Series also supports Layer 2 features such as port mirroring, statistics, and IGMP snooping to optimize performance for multicast applications. All models are fanless and enclosed in a metal case.

Power Saving Performance
The EasySmart Switch Series offers best-in-class power savings compared to other models. The DES-1100-16 saves 27.32% more energy, and the DES-1100-24 saves 10.7% more energy than a conventional D-Link unmanaged switch. This gives you an energy-efficient switch that costs less to operate. Additionally, this allows EasySmart Switches to run cooler, run silent, and have a longer lifespan.

Resilience/Performance Enhancement
Equipped with a complete lineup of L2 features, these switches include IGMP snooping and port mirroring. Network maintenance features include loopback detection, which is used to detect loops created by a specific port and automatically shuts down the affected port. The DES-1100 Series also supports 802.1p Quality of Service (QoS) - a mechanism that allows real-time traffic classification into eight priority levels mapped to two queues.

Traffic & Security Features
The DES-1100 series supports 802.1Q VLAN and Port-based VLAN, for traffic segregation. The bandwidth control feature allows network administrators to define the throughput levels for each port in order to manage bandwidth. It also provides fine granularity to define the ingress/egress traffic limits down to 512 kbps segments. Storm control enables the detection of when broadcast, multicast, or unknown unicast traffic hits the definable threshold. The switch will start blocking or discarding packets which could otherwise flood the network. The blocked port will be activated only when the broadcast or multicast traffic falls below the defined threshold. Port mirroring helps administrators facilitate traffic diagnostics or track switch performance, and make alterations when necessary.

Versatile Management
EasySmart Switches support an intuitive SmartConsole utility and a web-based management interface that enables administrators to remotely control their network down to the port level. The SmartConsole easily allows customers to discover multiple D-Link EasySmart Switches within the same L2 network segment. With this utility, users do not need to change the IP address of their PC, and this also makes initial setup of the Smart Switches quick and easy. Switches within the same L2 network segment that are connected to the user's local PC are displayed on screen for instant access. This allows for device discovery and configuration of basic switch settings such as password changes.

Technical Specifications		DES-1100-16	DES-1100-24	DES-1100-26
Port Standards & Functions	Size	11-inch Desktop Size, 1U Height	11-inch Desktop Size, 1U Height	19-inch, 1U Rack-mount Size
	Interface	16 10/100BASE-TX	24 10/100BASE-TX	24 10/100BASE-T 2 Combo ports of 10/100/1000BASE-T and Gigabit SFP
	Port Functions	IEEE 802.3 compliant IEEE 802.3u compliant Supports half/full-duplex operation Auto-negotiation Auto MDI/MDIX IEEE 802.3x Flow Control supports Full-Duplex mode		IEEE 802.3 compliant IEEE 802.3u compliant IEEE 802.3ab[1] compliant Supports half[2]/full-duplex operation Auto-negotiation Auto MDI/MDIX IEEE 802.3x Flow Control supports Full-Duplex mode, back pressure when in Half-Duplex mode,[1] and Head-of-line blocking prevention[1] IEEE 802.3z compliant[1]
Performance	Switching Capacity	3.2 Gbps	4.8 Gbps	8.8 Gbps
	Max. Forwarding Rate	2.38 Mpps	3.57 Mpps	6.54 Mpps
	MAC Address Table-Size	8K Entries		4K Entries
	Packet Buffer	1.75 Mbits		2.75 Mbits
	Flash Memory	1 MB		
LEDs	Power (Per Device)	✓		
	Link/Activity/Speed (Per Port)	✓		
MTBF (Hours)		597,779 hours	562,066 hours	490,797 hours
Acoustic		0 dB		
Heat Dissipation		20.34 BTU per hour	26.20 BTU per hour	54.46 BTU per hour
Power Input		100 to 240 V AC, 50 to 60 Hz Internal Universal Power Supply		
Max Power Consumption		5.96 watts	7.68 watts	15.96 watts
Standby Power Consumption		2.67 watts	2.87 watts	4.17 watts
Dimensions (W x D x H)		280 x 125 x 44 mm (11.0 x 4.9 x 1.7 inches)		440 x 140 x 44 mm (17.32 x 5.51 x 1.7 inches)
Weight		1.0 kg	1.0 kg	1.9 kg
Ventilation DC Fan		Fanless		
Operating Temperature		0 to 40 ˚C (32 to 104 ˚F)		
Storage Temperature		-10 to 70 ˚C (14 to 158 ˚F)		
Operating Humidity		10% to 95% non-condensing		
Storage Humidity		5% to 95% non-condensing		
EMI		FCC Class A, CE Class A, VCCI Class A, CCC, IC, C-Tick		
Safety		UL/cUL, LVD		

EasySmart Switches

Software Features

L2 Features

- MAC Address Table:
  - DES-1100-16/24: 8k
  - DES-1100-26: 4K
- IGMP Snooping
- Static Trunk:
  - 10/100 ports: max. 2 groups per device and 2-4 ports per group
  - 10/100/1000 ports on DES-1100-26: 1 group per device, 2 ports per group
- Flow Control
- Loopback Detection (LBD)
- Port Mirroring:
  - Supports One-to-One or Many-to-One
  - Supports TX, RX, and both
- Statistics - supports 4 groups:
  - Transmit packet & collision
  - Receive packet & Transmit packet
  - Receive packet & Drop packet
  - Receive packet & CRC packet

VLAN

- 802.1Q Tagged VLAN
- VLAN Group:
  - DES-1100-16/24: 32 static VLAN groups
  - DES-1100-26: 26 static VLAN groups
  - Configures VID from 1-4094
- Port-based VLAN
- Management VLAN[2]

Quality of Service (QoS)

- Bandwidth Control:
  - Port-based (Ingress/Egress)
  - Granularity is predefined as: 512 kbps/1024 kbps/2048 kbps/4096 kbps/ 8192 kbps/16384 kbps/32768 kbps/65536 kbps
- 2 queues per port
- 802.1p
- Queue Handling:
  - Strict Priority
  - Weighted Round Robin (WRR)

Security

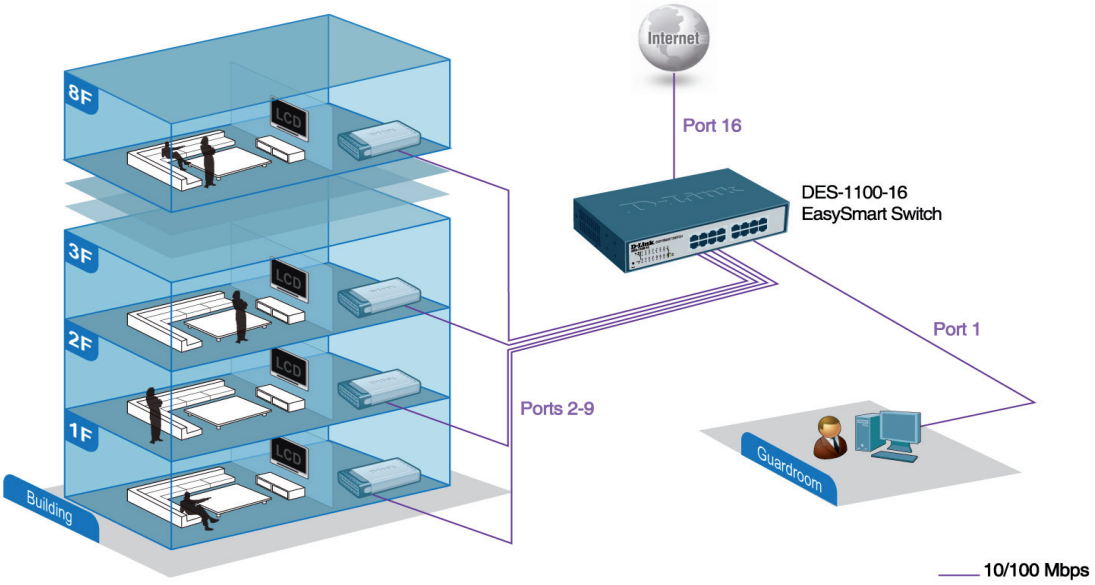
- Static MAC (Max 128 Static MAC entries)
- DES-1100-26: Broadcast Storm Control
- DES-1100-16/24: Broadcast/Multicast/Unknown Unicast Storm Control

Management

- Web-based GUI (Supports IPv4)
- SmartConsole Utility
- Password Access Control
- Port Setting: Set Speed, Duplex mode, Flow control
- Configuration File Backup/Restore via HTTP
- Firmware File Upgrade via HTTP

[1] This is supported only by the two 10/100/1000BASE-T/SFP ports.
[2] This is supported only by the DES-1100-26.

Deploying the DES-1100 in a small to medium sized network



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